Jet Propulsion Laboratory
California Institute of Technology

Multi-Angle Imager for Aerosols: Missions Applications Plan and Early Adopter strategy

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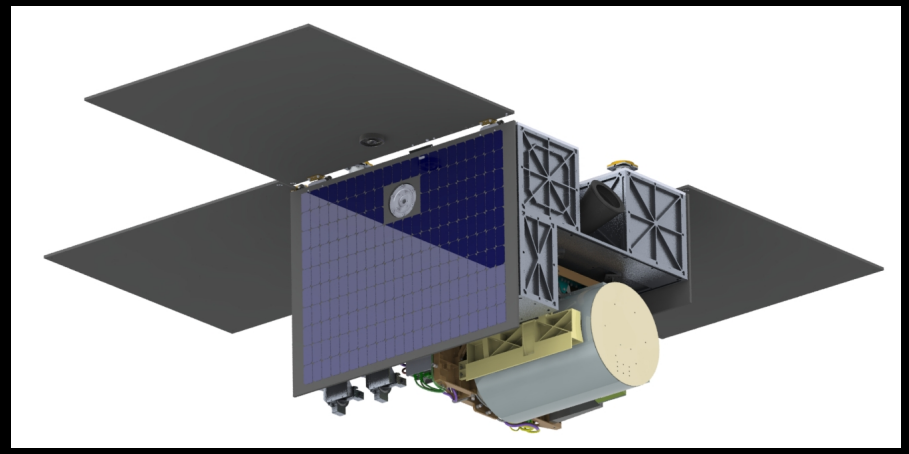
CL #



MAIA was selected in March 2016 as part of NASA's Earth Venture Instrument program.

MAIA's science objectives are to study the effects of various **types** of particulate matter (PM) air pollution on:

- ✓ Acute illness and premature death
- ✓ Adverse birth outcomes
- ✓ Chronic disease

MAIA investigation

- ✓ Launch: 2022 (to be confirmed)
- ✓ Mission length: 3 years*
- ✓ Instrument: 14 spectral bands, multi-angular, polarimetric
- ✓ Targeted: 10+ urban areas where health studies will be done*
- ✓ Commercial host: General Atomics

*baseline requirements

MAIA Applications Plan

Because MAIA is an **applications-focused mission**, applications efforts capitalize on science team connections and pre-established user community of epidemiologists

Applications Plan and Traceability Matrix

- ✓ Establish MAIA and ASP agreement on applications activities
- ✓ Logical decomposition of how tasks will be undertaken

Community Contacts List

- ✓ MAIA has a large community of collaborators/potential users
- ✓ Organizes contacts for quick reference by the MAIA team

Early Adopters Program

- ✓ Expand the user base of MAIA data products
- ✓ Focuses on epidemiologists; others included as opportunity allows

MAIA Early Adopters Program

MAIA's EA program is targeted toward increasing MAIA data product use by epidemiologists